

MODEL NUMBER:
SS1G-500

Solid State Amplifier
80 MHz - 1 GHz with 500 Watts



SPECIFICATIONS

Frequency Range	80 MHz to 1 GHz
Output Power P_N min / typ W	500 / 600
Gain min / typ dB	57 / 59 \pm 2
Harmonics 2nd / 3rd dBc	20 / 20
Line Power VA	3300
Dimensions (H, D) 19"-System	4 HU, 24,8 in
Weight	92,5 lb

STANDARD SPECIFICATIONS

Input Power	0 dBm (1 mW) max.
Overdrive Protection	up to +10 dBm for no damage
Input Impedance	50 Ohm nominal
Output Impedance	50 Ohm nominal
Input VSWR	<2:1 typ.
Load VSWR	infinite for no damage (100% mismatch tolerant) P_N -0.5 dB min. at VSWR 2:1
Spurious (at P_N)	-60 dBc typ. (excluding harmonics)
Class of Operation	A-linear or AB-linear

GENERAL

RF Input	N-f, standard on rear panel
RF Output	N-f, standard on rear panel
Mains Supply	200 ... 240 V AC \pm 10%, 47 ... 63 Hz
Elapsed Time Meter	via status display
Ambient Temperature	0 ... +45 °C
Storage Temperature	-20 ... +85 °C
Relative Humidity	up to 95% (non-condensing)
Operating Altitude	up to 2000 m above sea level
Vibration and Shock	MIL-STD-810 G
Cooling	forced air with integral blower air intake from front, air exhaust at rear

OPTIONS

- | | | |
|--|-------------------------------------|---|
| A RF-Sample Ports | F Gain Adjustment | R RS-232C/RS-485 Remote Control |
| B External Dual Directional Coupler | H DC Supply | U USB Remote Control |
| C IEEE-488.2 GPIB Remote Control | I 3x 208 V AC / 60 Hz | W Liquid Cooling |
| D Front Panel RF Connectors | L LAN Remote Control | X External Control of other Amplifiers |
| E RF Power Indication (digital) | S Internal RF Switching Unit | |